

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: LEE, Herman; CHANG, Shun-Chin

SERIAL NO.:

FILED: Herewith

TITLE: ELECTRICAL THERMOMETER

PRELIMINARY AMENDMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

In conjunction with the filing of the present application, and prior to an initial Official Action on this matter, please amend the above-identified application as follows:

Preliminary Amendment: SPECIFICATION AMENDMENTS

In Paragraphs [0008] to [0013], please amend the paragraphs as follows:

[0008] ~~The invention will be described according to the appended drawings in which:~~

FIG. 1 is ~~a perspective diagram~~ an elevation view of a conventional electrical thermometer;

[0009] FIG. 2 is a cross-sectional ~~diagram~~ view taken along the line II-II in FIG. 1;

[0010] FIG. 3 is a schematic ~~diagram~~ view of the metallic tip disclosed by U.S. Patent No. 6,419,388;

[0011] FIG. 4 is ~~a perspective diagram~~ an elevation view of an electrical thermometer in accordance with the present invention;

[0012] FIG. 5(a) is a cross-sectional ~~diagram~~ view taken along the line III- III in FIG. 4; and

[0013] FIG. 5(b) is a schematic ~~diagram~~ view of the metallic tip in accordance with another embodiment of the present invention.

In Paragraph [0019], please amend the paragraph as follows:

[0019] Obviously, in the present invention the thermal sensor 46 is immersed in an appropriate quantity of thermally conductive glue 471. Heat is transferred from the surroundings to the thermal sensor 46 via the thermally conductive glue 471. Thermal equilibrium is reached in the present invention sooner than in U.S. Patent No. 6,419,388. On the other hand, a limitation in the volume of the thermally conductive glue 471 avoids the absorption of too much heat due to its excessive size so as to shorten the time taken to reach thermal equilibrium. In summary, the heat-absorbing group